



# 5000 SERIES TRACTOR



JOHN DEERE

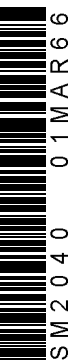
## SERVICE MANUAL 5000 SERIES TRACTOR

SM2040 (01MAR66) English



**SM2040 (01MAR66)**

LITHO IN U.S.A. (REVISED)  
ENGLISH







## SERVICE MANUAL

# JOHN DEERE

# 5000 SERIES

# TRACTORS

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## TO THE JOHN DEERE SERVICEMAN

This service manual contains maintenance instructions for the John Deere 5000 Series Tractors. Included are complete instructions for removal, disassembly, inspection, repair, assembly and installation of the major parts and assemblies of the tractor.

In addition, this manual contains brief descriptions of the more complicated systems of the tractor, and tells how they operate. Tests and adjustments, required to keep the tractor operating efficiently, are explained in detail.

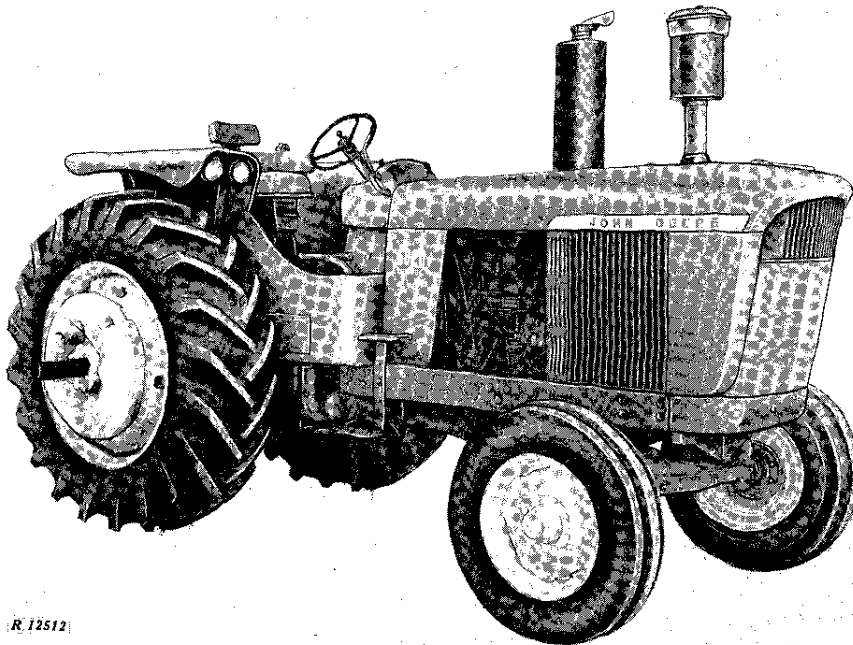
In Section 20, "Specifications," dimensions of many new wearing parts are given as an aid in determining when parts replacement is necessary.

A section on "Tune-Up and Adjustment" contains instructions for performing the services necessary to help the tractor perform efficiently

and economically after it has been in the field for some time.

This manual was planned and written for the Service Department; its place is in the shop. Use the manual whenever in doubt about correct maintenance procedures. Use it as a text book for training new Service Department personnel who are unfamiliar with John Deere Tractors.

Daily use of this Service Manual as a guide in overcoming service problems will reduce error and costly delay to a minimum and assure you the best in finished service work. In many instances your customer's confidence in your work will be improved when he sees you using the Service Manual. He knows you are following approved maintenance procedures and making proper adjustments. There is no guesswork when you use the manual.



R 12512

*Right-Hand View of John Deere 5020 Row-Crop Tractor*

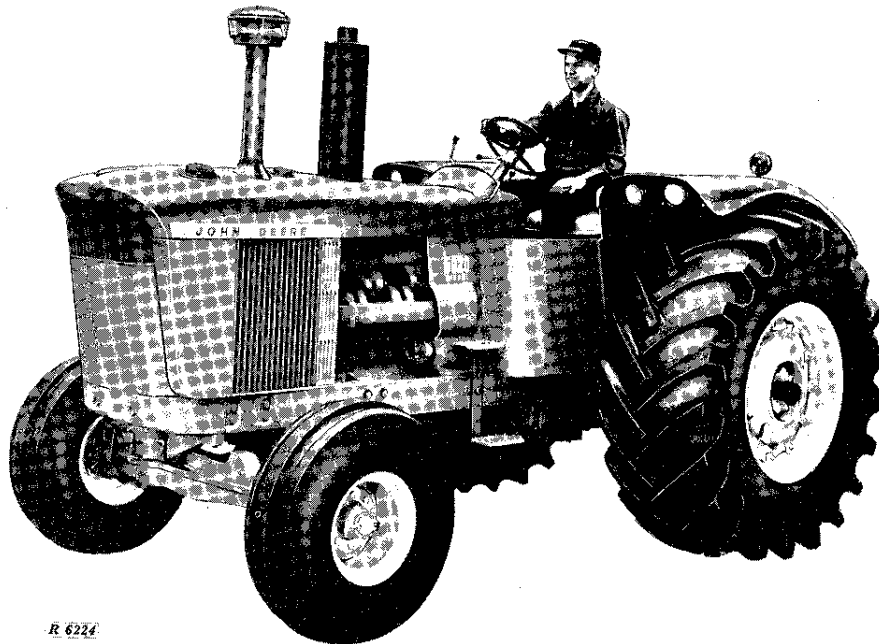


## Section 10

10-5-1

# DESCRIPTION, OPERATION, AND SPECIFICATIONS

## Group 5 DESCRIPTION



R 6224

Fig. 10-5-1—Left-Hand View of John Deere 5020 Standard Tractor

### INTRODUCTION

The John Deere 5000 Series tractors are large heavy-duty tractors designed for high capacity operation. The 5020 tractor is available as a row-crop or a standard tractor. The 5010 tractor was available as a standard tractor only.

The features of the tractor are briefly described in the paragraphs which follow. Full description of the components are given in the various sections throughout this manual.

### SERIAL NUMBERS

Each engine is identified by a serial number located on the right-hand side of the cylinder block in front of the fuel filters. The engine serial numbers given in this manual are the numerical serial numbers indicated in the examples in the next column.

Engine Serial No.  
Prior to 12000

33E 1000

*Numerical Serial No.*

Engine Serial No.  
12000 and After

M33R0 012000 R

*Numerical Serial No.*

The tractor serial number is located at the rear center of the transmission case. The tractor serial numbers given in this manual are the numerical serial numbers indicated in the following examples.

Tractor Serial No.  
Prior to 8000

32T 1000

*Numerical Serial No.*

Tractor Serial No.  
8000 and After

T323R 008000 R

*Numerical Serial No.*

For brevity, when serial numbers are referred to in this manual, all zeros preceding the first significant digit are omitted.

*NOTE: When ordering engine or tractor parts, record all the digits in the serial number.*



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for your reading.  
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to get more information.